**Uhligite**

\[ \text{Ca}_3(\text{Ti, Al, Zr})_9\text{O}_{20}(?) \]

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**Crystal Data:** Cubic, probably pseudocubic. *Point Group:* n.d. Octahedra, modified by the cube; \{111\} striated || [011]. *Twinning:* On \{111\}.

**Physical Properties:** *Cleavage:* \{001\}, imperfect. *Fracture:* Conchoidal. *Hardness:* = 5.5  
*D(meas.)* = 4.15  
*D(calc.)* = n.d.

*Optical Class:* Isotropic, with biaxial lamellae.  
*R:* n.d.

**Cell Data:** *Space Group:* n.d.  
\[ a = 7.639 \quad Z = \text{n.d.} \]

**X-ray Powder Pattern:** n.d.

**Chemistry:**

\[
\begin{array}{ccc}
\text{Nb}_2\text{O}_5 & \text{trace} \\
\text{TiO}_2 & 48.25 \\
\text{ZrO}_2 & 21.95 \\
\text{Al}_2\text{O}_3 & 10.50 \\
\text{Fe}_2\text{O}_3 & \text{trace} \\
\text{CaO} & 19.00 \\
\hline
\text{Total} & 99.70 \\
\end{array}
\]

(1) Lake Magadi, Kenya.

**Occurrence:** In nepheline syenite.

**Association:** n.d.

**Distribution:** At Lake Magadi, Kenya.

**Name:** To honor Alfred Lewis Johannes Uhlig (1883–1919), German geologist, who lead the expedition on which the mineral was discovered.

**Type Material:** n.d.

**References:** (1) Palache, C., H. Berman, and C. Frondel (1944) Dana’s system of mineralogy, (7th edition), v. 1, 735–736.